CCNA1/CCNA2 (Human) Cell-Based ELISA Kit

Catalog # KA2715 Size 1 Kit

Specification

Product Description	CCNA1/CCNA2 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of CCNA1/CCNA2 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — CCNA2

Entrez GeneID	890
Protein Accession#	P78396 (Gene ID : 8900);P20248 (Gene ID : 890)
Gene Name	CCNA2
Gene Alias	CCN1, CCNA
Gene Description	cyclin A2

Omim ID	123835
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins fu nction as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. In contrast to cyclin A 1, which is present only in germ cells, this cyclin is expressed in all tissues tested. This cyclin bind s and activates CDC2 or CDK2 kinases, and thus promotes both cell cycle G1/S and G2/M transi tions. [provided by RefSeq
Other Designations	cyclin A

Gene Info — CCNA1

Entrez GeneID	8900
Protein Accession#	P78396 (Gene ID : 8900);P20248 (Gene ID : 890)
Gene Name	CCNA1
Gene Alias	-
Gene Description	cyclin A1
Omim ID	604036
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins fu nction as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. The cyclin encoded b y this gene was shown to be expressed in testis and brain, as well as in several leukemic cell line s, and is thought to primarily function in the control of the germline meiotic cell cycle. This cyclin bi nds both CDK2 and CDC2 kinases, which give two distinct kinase activities, one appearing in S phase, the other in G2, and thus regulate separate functions in cell cycle. This cyclin was found to bind to important cell cycle regulators, such as Rb family proteins, transcription factor E2F-1, and t he p21 family proteins. Multiple transcript variants encoding different isoforms have been found fo r this gene. [provided by RefSeq
Other Designations	-

Pathway

- Acute myeloid leukemia

- Cell cycle
- Cell cycle
- Pathways in cancer

Disease

- Adenocarcinoma
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Infertility
- Kidney Failure
- Lung Neoplasms
- Ovarian Neoplasms
- Ovarian Neoplasms
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome